M.E. Second Semester (Civil Engineering (Construction Engg. & Managt.)) (CGS)
13076 : Elective-II : Safety Management : 2 CM 05

P. Pages : 2

Time : Three Hours

‖‖‖‖‖‖‖‖‖‖
1076

AW - 3795

Max. Marks : 80

Notes : 1. Answer **three** question from section A and **three** question from section B.
2. Due credit will be given to neatness and adequate Dimensions.
3. Illustrate your answer necessary with the help of neat sketches.
4. Use of pen Blue/Black ink/refill only for writing book.

SECTION - A

1.	a)	Explain in detail construction safety management.	7
	b)	Explain in brief causes of structural failure.	7

OR

2.	a)	Explain in detail Health & safety act and regulation.	7
	b)	State the causes of structural failure.	7
3.	a)	Explain the crack control for watertight construction on site.	7
	b)	State the methods of controlling deflection.	6

OR

4.	a)	What measures will you adopt on site for crack control?	6
	b)	Explain in brief the behaviour of steel structures due to load deflection.	7
5.	a)	What are the fire resistant properties of building material?	6
	b)	Explain the principles of fire resistant structure for construction.	7

OR

6.	a)	State the guidelines for fire safety of industrial building.	6
	b)	Explain in detail about the methods of fire fighting.	7

SECTION - B

7.	a)	What are the techniques for reducing noise level?	7
	b)	Explain in brief safety in material handling & transportation.	7

OR

1

P.T.O

8.	a)	State the safety against natural calamities for earthquake and flood.	7
	b)	Explain in detail the properties of noise.	7
9.	a)	What safety measures should be adopted while demolition of structure?	6
	b)	What safety practices should be taken in account during construction?	7

<div align="center">**OR**</div>

10.	a)	Write a note on safety management in Rehabilitation of structure.	6
	b)	Explain the hazards caused due to the bad workmanship.	7
11.	a)	What do you mean by "Reliability is a subset of quality"	7
	b)	Write a note on disaster management at construction site.	6

<div align="center">**OR**</div>

12.	a)	What measures will you adopt for controlling safety hazard in industrial building?	7
	b)	Write a short note on constant failure rate method.	6

<div align="center">*********</div>